

From owner-qrp-1@Lehigh.EDU Thu Jul 4 23:13:51 1996
From: Mike Boice <MBoice@ix.netcom.com>
Subject: [457] 30 meter Gregson kits
Message-ID: <1.5.4.32.19960704164330.0067ae44@popd.netcruiser>

Pardon my previous message. I DID mean 10 mHz/30 meter kits. Thanks for pointing this out.

My second question is in regards to kits made by Roy Gregson. One earlier respondent spoke very highly of his NW8020 transceiver and its low price (~\$80). I'd be buying the 30 meter version. Comments?

From owner-qrp-1@Lehigh.EDU Thu Jul 4 23:13:51 1996
From: "Richard Hieber" <Richard.Hieber@rrze.uni-erlangen.de>
Subject: [450] agn: CMOS SK3 programming
Message-ID: <370FBF3C33@isis.rrze.uni-erlangen.de>

Hi all,

I did only get one reply on my question on intelligent usage of the storage capacity of the CMOS Super Keyer 3, so I have to prod the more advanced users to reveal themselves by offering what I currently have. It's really simple (=stupid) and not elegant at all. I overdo the /g (gap) command, just because I like to have wide spacing between the characters on occasion, for emphasis.

- 1) cq cq cq cq cq de dl8mfq/p /g9 d l 8 m f q /g4/ p /g9 dl8mfq/p /g9
+ /g9 pse k /p99 /p99 /1
- 2) de dl8mfq/p =
- 3) hello es tn timer call = ur rst /r = qth erlangen /g9 e r l a
n g e n /g9 es name /g9 ric /g9 r i c /g9 = so hw? =
- 4) rig 5 watts es ant dipole = temp abt /r = qsl
ok via buro = nw qru = hpe cuagn = vy 73 es gl =

I'm sure you can do much better. Now if you just would let us know....

72,
Richard

--

Richard Hieber, DL8MFQ/AA8CP
EMAIL: Richard.Hieber@rrze.uni-erlangen.de

From owner-qrp-l@Lehigh.EDU Thu Jul 4 23:13:51 1996
From: "Jim Kortge, K8IQY" <jokortge@tir.com>
Subject: [465] Call Change
Message-ID: <1.5.4.16.19960705022015.2f57a3c8@tir.com>

Gang...anybody know how to tell the list server that one
has changed their call, without having it go off and reissue another
qrp-l number? I'd like to know, and others who have recently
regained their old calls would probably appreciate the info
also.

Thanks and 72....Jim

Jim Kortge, K8IQY		BMHA, NorCal, QRP-L
jokortge@tir.com	_ _o	Cascade 17/40 SSB
Fenton, MI	_`\<,	Mizuho 17/40 SSB
... ..	(*)/(*)

From owner-qrp-l@Lehigh.EDU Thu Jul 4 23:13:51 1996
From: wb2vuo@juno.com (William K Hibbert)
Subject: [463] Dan's Small Parts & Kits
Message-ID: <19960704.174439.11207.0.wb2vuo@juno.com>

After not seeing a catalog for a year or more, I got the 1996-97 catalog
from Dan's Small Parts yesterday.

This is Catalog # 3, good thru June 1997, and he's got a grunch of just
the kind of shop bench litter that everyone needs while building. In
addition, there is a Summer Special page stapled to the back. Such
things as the "NW80/20" kit for \$60, a SWR/Wattmeter kit for \$10,
asorted air-variables from \$2 - \$15 and so on...

Dan's address is: Dan's Small Parts & Kits
Box 3634
Missoula, MT 59806-3634
Phone/Fax (406) 258-2782

Standard disclaimer, Dan has enuf of my \$\$\$, and will get more, I am sure!

72/73, Keith, WB2VU0, In the Depths of the Great Bergen Swamp!! [FN13ac]

wb2vuo@juno.com

From owner-qrp-l@Lehigh.EDU Thu Jul 4 23:13:51 1996
From: bkmak@airmail.net (Bob Kmak)
Subject: [448] Erickson's
Message-ID: <m0ubntC-000FQdC@mail.airmail.net>

>I believe Erickson's Communications is the most well known ham store in
>Chicago proper

Actually, I think Erickson's went belly-up about a month ago. Call first.

73,

Bob KC5RAS

From owner-qrp-l@Lehigh.EDU Thu Jul 4 23:13:51 1996
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [459] For sale: Kent electronic keyer
Message-ID: <Pine.3.89.9607041245.A22222-01000000@w3eax.umd.edu>

About 2" high, maybe 5x6". Key sense switchable (dah-dit vs. dit-dah), iambic and auto-character modes are available from front panel. Keyer has variable weighting & speed controllable from front panel, and runs on 8-16 VDC. Also has internal, down-firing speaker. Case is steel, unbelievably sturdy (Ten-Tec style), and painted black. One shallow scratch on right side of case. Very easy to use, and has "sleep" function to conserve power (i.e. no power switch!). Can run off 3 AA batteries.

Perfect match to your Kent dual-paddle keyer, I just don't use it. Built from a kit - the kit sells for \$73, the completed unit for \$99. Comes with box, manuals, asking \$85.

* Scott Rosenfeld NF3I Burtonsville, MD FM19 QRV 80-10/6/2/440 *
*** 6m 71 grids worked on 8 watts ** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC ** 100% dipole powered HF/6m **

* 301-549-1022 h / 301-982-1015 w * 145.490- 147.225+ PL 156.7 *

From owner-qrp-1@Lehigh.EDU Thu Jul 4 23:13:51 1996
From: Gary Surrency <gsurrenc@ix.netcom.com>
Subject: [441] Homebrew QRP DC supply
Message-ID: <31DB50C0.5991@ix.netcom.com>

Dave Matthews asked about building QRP power supplies, so here's my solution:

My TAC-1's supply I made from a 25.2VCT 2.0A RS transformer in a fullwave center tapped bridge configuration. I cannibalized an old PC switching supply and used the hefty schottky dual-diode rectifier (low Vf drop <1v) with a 4700Uf 25V electrolytic capacitor input filter. Jameco had the electrolytic for \$1.59. The rectifier I used is good for 15 amps, so it's not even breaking a sweat! :-)

It's also real easy to mount and attach the transformer leads to the T0220 rectifiers case. Some of these supplies have rectifiers good for 30+ amps! Just watch the PIV rating tho, 'cause most of 'em are only 45-50 PIV. This is OK for the transformer voltages for this voltage range.

If 'ya don't have one of these critters, a plain old schottky barrel diode of about 3 amps will work. The 1n5822 is a good choice, but you'll need 2 or 4 depending on whether you go center-tap or bridge configuration.

This gives about 19-20V no-load (the transformer really puts out closer to 28VAC rms, or 14-0-14 VAC rms across the windings), 16-17VDC loaded into a 13.8V 3-terminal 5A voltage regulator (NTE934). The NTE I have is only producing 13.6V as long as the input exceeds the output by 3-4V, so I still have plenty of input/output differential to maintain regulation up to about 2 amps output, before Vin drops too low to maintain regulation.

So, for a total of 4 devices,

1. Transformer 25.2Vct 2.0A
2. Rectifier dual diode schottky 15A 45PIV
3. Capacitor 4700Uf, 25V
4. 3-terminal reg. 13.8V, 5A (NTE934)

I have a nice DC supply! Except for the high cost of the NTE934, about \$18, I had everything else already on hand. It made a very small, quality supply that is so

simple it's hard to believe! It never gets warm enough to require any heat sink other than the cabinet it's built into, a RS 270-253. I added a slide switch for the AC line and a pair of Red/Blk binding posts to complete the package.

By reducing the rectifier drop with the schottky dual diode, I was able to conserve

enough DC voltage to satisfy the 3 terminal regulator even with the low transformer

voltage. A normal silicon rectifier wastes too much V_f drop to maintain regulation.

If you have a transformer of about 16-18Vac, that works fine with a silicon bridge.

I just happened to have the 25.2Vct transformer already. A 28 to 35 Vct transformer

in a full wave center tapped arrangement would be better if more current is drawn, since the V_{in} limit to the regulator is better maintained, even if the regulator dissipation is increased. But you might need a heat sink if $(V_{in}-V_{out}) \times I_{out}$ gets much greater. QRP stuff just doesn't need much current.

As it is, it's about as efficient as you can get with only about a 3-4 volt difference from input to output. That's why there's no appreciable heat produced. It's just perfect for a QRP rig, and is very small and simple.

Now, I'm trying to find a cheaper source for 13.8V 3 terminal regulators, although

a LM317t or LM317K would work for 1.5A, but needs several additional parts to set the output voltage. A LM338K is good for 5A, and runs about \$6-\$12 depending on where you buy it. Digikey has a new plastic LM338T 5A device that's only \$3. The LM7812s are usually a little low in output voltage, but they are dirt cheap! A diode between the regulator's ground pin or case and the negative DC supply brings up the output voltage, but regulation suffers a little since the diode isn't in the

V_{ref} loop.

On the other hand, a wimpy LM7815 might be just right if it's output voltage is a little low. Or, you could put a couple silicon rectifiers in series with the output

to drop it to around 13.8v, but that's sorta wasteful. I have another supply using the LM338 5A regulator, but it's just not as simple as the 4 piece supply, since it

needs 2 resistors to set V_{out} , plus a 10Uf tantalum decoupling cap on the V_{adj} pin.

Use what you have. :^)

The point here is, use a schottky rectifier if your transformer/DC input is going to be a little marginal to your regulator. This lets you get by with commonly available transformers and has the added benefit of cooler operation. With 16-18V

transformers a common silicon bridge is OK, or 35-36V transformers for center-tapped rectification will make a good input for 13.8V regulated supply.

I have a never-ending source of old PC power supplies, so I've always got parts cannibalized for this stuff! :-)

72/73,
Gary AB7MY

From owner-qrp-1@Lehigh.EDU Thu Jul 4 23:13:51 1996
From: Charles Brown <maf00035@maf.mobile.al.us>
Subject: [454] invert tones
Message-ID: <Pine.SOL.3.91.960704101355.10903B-100000@ns1>

>From: ERNEST GREGOIRE <GREGOIRE@ENDOR.COM>
>To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
>Subject: RTTY/QRP+/20METERS & UP

>Hello Gang,

>I got no replies from my last post on rtty on 20 meters using a QRP+.
>Has anybody done this? I am using a KAM, and that is half of the
>problem. It seems that the KAM will invert the receive signal but not
>the transmit. So now my question is which brand and model of TNC will
>invert both signals?

=====

Ernie,
Inversion can be done as a software command. For example, my PK Gold 9.05 by Interflex Design Systems, has two commands -- TX rev and RX rev (Transmit reverse and Receive reverse). Rx rev and Tx rev are either on or off. The software for the KAM is called KA Gold and is very similar to PK Gold but designed to operate a KAM.

=====

RX reversed

ON - received data polarity is reversed (mark-space reversal)

OFF - data polarity is normal

TX reversed is exactly the same but concerns transmit tones.

(PK-232 Operating Manual pages A68 and A75)

One more thing. On the back of the PK-232 is a connector J7 called SCOPE/FSK. There are 5 pins

FSK N (FSK NORMAL)

FSK R (FSK REVERSED)

GND

MARK

SPACE

The pins used are ground and either 1 or 4. For example, you can use FSK REVERSED, and then use your software command to invert the signals properly with the software commands-- Rx rev TX rev.

This info is on page 2-11 of the PK-232 Operating Manual 1989.

This reversal was used on a PK-232 that had zero output on one of the pins (FSK normal?) and then I used the software command to correct the tone. It worked!

Interflex Systems PO Box 6418, Laguna Niguel, CA 92607-6418

ph. 714 496 6639

de N4SO

Ken\

From owner-qrp-1@Lehigh.EDU Thu Jul 4 23:13:51 1996

From: wq8q@juno.com

Subject: [458] KAM invert tones

Message-ID: <19960704.131438.6711.0.wq8q@juno.com>

I forget who first asked about inverting the tones on the KAM, but here's the definitive (maybe) answer.

The INVERT command will invert the mark/space polarity of the received signals, and the FSKINV command will invert the polarity of the transmitted mark/space.

This can be used with any software as long as you go to the cmd mode and give the command!

Hope this helps.

73 de Rick, WQ8Q

Cincinnati

From owner-qrp-1@Lehigh.EDU Thu Jul 4 23:13:51 1996

From: bcutter@teal.csn.net (Bob Cutter)

Subject: [464] KC1/GM 20

Message-ID: <199607042332.RAA13924@lynx.csn.net>

I need some help interfacing the KC1 keyer and my GM20. Anyone done this

particular transceiver before?

72, Bob KI0G
QBF? ZUE

Bob Cutter,Glenwood Springs, CO

KI0G

bcutter@teal.csn.net

From owner-qrp-1@Lehigh.EDU Thu Jul 4 23:13:51 1996
From: Paul Stroud <aa4xx@nando.net>
Subject: [442] Knightlite's FD Pictures
Message-ID: <31DB553C.4DE@nando.net>

Hi Gang,

A collection of pictures from the KnightLite's FD adventure to Shining Rock Wilderness (North Carolina) has been uploaded to the following webpage:

<http://www.webbuild.com/~aa4xx/fd2.htm>

Our campsite was situated between Black Balsam Knob and Sam Knob, at an elevation of 5700 feet. Fond memories include hikes to the summits of surrounding peaks, roasting marshmallows over the campfire (I go in for the "scorch 'em and eat 'em quick" philosophy, while AE4IC and WA4NID painstakingly heat theirs to golden perfection!), trips to the river to wash up and cool off, working out WEST during the wee hours on 40M CW, seeing WA4NID jump up and down for joy after having worked 10 packet contacts, meeting Randy - WJ4P, and Ralph - AA6UL/4 for the first time, getting to know AE4IC, UT5GM, AE4AZ, WA4NID, and N4EKP, hearing UT5GM working stations right and left on 20/40 SSB, seeing all the different rigs and antennas, drifting off to sleep Sunday morning while listening to AE4IC and WA4NID (working 40M CW) say "Hey! We got another one!," observing the Milky Way and zillions of stars during the wee hours, listening to N4EKP's 2 Meter CW station.

All in all a most enjoyable and memorable experience...Thanks, guys!

72,
Paul AA4XX Raleigh, NC

From owner-qrp-1@Lehigh.EDU Thu Jul 4 23:13:51 1996
From: WJ4PRandy@aol.com
Subject: [461] operating in Canada..
Message-ID: <960704150315_427601972@emout09.mail.aol.com>

Dumb question time....
I've always *assumed* that the U.S.
and Canada have reciprocal operating
priviledges.

Never really gave it much thought until
recently since I'm going to be in Alberta
in a couple of weeks. Anyone have any
guidance? I assume I'll need a copy of
my license. I'll be dragging the ohr400
to operate portable from the mountain
near Jasper, ALB.

Hmmmm?
73, Randy WJ4P

From owner-qrp-1@Lehigh.EDU Thu Jul 4 23:13:51 1996
From: WOHEP@aol.com
Subject: [456] QRPers Data Book Info
Message-ID: <960704124401_427539624@emout10.mail.aol.com>

In the past few weeks I have received several requests for information about
the "Data Book" mentioned on QRP-L postings. - Rich WOHEP

The Electronic Data Book for Homebrewers and QRPers by Paul Harden NA5N
including QRP Yellow Pages by Rich High WOHEP was introduced at the 1996 Four
Days in Mayc QRP Symposium in Dayton. The book is based on a series of
articles Paul ran in the Colorado QRP Club newsletter, The Low Down in
1995/96 entitled "QRP Rigs - Circuit Analysis." Paul explained the operation
of the typical QRP rig circuit by circuit in a way almost anyone can
understand. The last page of each article included a "Data Sheet" on a
specific component, type of component or circuit. Everyone was asking for
more so the book was developed. Paul is the technical editor of The Low
Down.

The author, Paul Harden, NA5N, grew up in Colorado where he was first
licensed in 1964 as WN0NOW. Electronics and radios have been an exciting

hobby and career ever since. After high school, Paul spent 8-1/2 years in the Submarine Service as an Electronics Technician (ET1ss) working on the navigation and communications systems on the U.S.S. Robert E. Lee (SSBN-601).

Upon discharge from the Navy in 1977, he began working for the National Radio Astronomy Observatory as part of the initial construction crew for the Very Large Array Radiotelescope (VLA) in Socorro, New Mexico. He is a Technical Specialist working on the digital and data acquisition systems at the observatory. He operates primarily CW using low power (QRP) and homebrew equipment. Paul has also built homebrew equipment for shortwave listening, utility monitoring and amateur radio astronomy.

The Data Book has about 180 pages, is spiral bound to lay open on the workbench, has a deluxe 4 color cover and is divided into 6 sections.

Section1: QRP Rig Circuit Analysis - The Low Down series.

Section 2: Electronic Component Data Sheets - Data sheets of discrete electronic components, containing physical and electrical specs, application notes (invaluable), selection guides (also invaluable) and parts identification. Some of the topics: Capacitors, fixed; capacitors, general; diodes, LED; diodes, rectifiers; resistors, fixed; resistors, pots & trimmers; voltage regulators; coaxial cabling, wire and twin lead and much more.

Section 3: Specific Component Data Sheets - Data sheets of specific electronic components with application notes and typical circuits. Some of the items covered are the LM380/386; NE602, LM2904, NE555 and lots more.

Section 4: Appendices - Misc reference data for the electronics homebrewer and QRP operating aids for the amateur. Some of the items covered include standard drill sizes; power, dBm, voltage conversion table; equations for L-C circuits and op aids.

Section 5: QRP Rig Lab Tests - Test bench lab results and technical specs of some popular QRP rigs including the NorCal 40, Green Mtn. GM-20, OHR Explorer II, EMTECH Northwest NW8020, Hands GQ-40, and the MFJ 9030. You can see the spectrum analyzer results, too.

Section 6: QRP Yellow Pages - Listings of numerous vendors catering to the QRP market including addresses, phone/fax numbers, e-mail addresses and types of merchandise carried.

Section 6 is followed by a listing of all known QRP clubs worldwide with contacts and addresses.

The book has a cover price of \$20* plus \$3 S&H (\$25 postpaid outside USA). We are offering a introductory price of \$15* plus \$2.50 S&H (\$19.50 postpaid

outside USA) through 31 August, 1996. (Colorado QRP members get a \$2 discount. Membership is \$10 per year and includes the bi-monthly newsletter, The Low Down) Credit cards are accepted. Request order form via e-mail from QRPBOOK@aol.com or from Five Watt Press 740 Galena Street, Aurora, CO 80010-3922. FWP plans to have a web site in the near future. Books are also available from G-QRP Club, Kanga US and Gateway Electronics. *Colorado residents add sales tax.

From owner-qrp-1@Lehigh.EDU Thu Jul 4 23:13:51 1996
From: Russ1031@aol.com
Subject: [451] Results for the July 1 Spartan Sprint
Message-ID: <960704110116_569921147@emout08.mail.aol.com>

The July 1 Spartan Sprint turned out just great. 20 and 40 meters were in good shape, participation was excellent and spirits were high. Thanks to all of you who made this a quality event!

I've posted the Soapbox separately, under the heading "Soapbox for the July 1 Spartan Sprint".

As the following scores indicate, the QRP community is becoming fiendishly clever at squeezing maximum performance out of lightweight equipment. And I think this is just the beginning--in upcoming Spartan Sprints look for remarkable results from tiny radios.

We posted the scores in two tables. Table One shows the results in terms of Qs per pound, while Table Two shows Qs only. Adventure Radio Society is issuing award certificates to the top four performers in the Qs per pound category. ARS' contest manager (AA7QU) has declared himself ineligible for awards, so you can mentally remove that rascal's name from the listings.

If you're already a member of ARS, we have your address and can mail your certificate promptly. If you're not a member, but placed in the top four, just e-mail your address to Russ Carpenter, AA7QU (Russ1031@aol.com). Or, better yet, you could join ARS. At \$0.00 per year, it's a pretty good deal. Contact our Membership Chairman, Richard Fisher, KI6SN (KI6SN@aol.com).

For the following tables to line up correctly, be sure that your e-mail reader is set up with a monospaced font.

Results Sorted by QSOs per Pound

Call	Name	QSOs	Wt.	Qs/Lb
W3TS	Mike	23	1.2	19.17
AA7QU	Russ	25	2.2	11.36
KI6DS	Doug	12	1.2	10
KI6SN	Richard	15	1.8	8.33
KI0G	Bob	3	.7	4.29
KD7S	Bill	7	1.9	3.68
WA7FCU	Bob	7	2.1	3.33
KD0SU	Rick	7	2.5	2.8
KQ6AG	Dennis	6	2.23	2.69
N2MNN	Steven	9	4.3	2.09
NA5K	Smitty	9	4.4	2.05
K3QIO	Jim	20	13	1.54
WB5QMP	Randy	11	7.3	1.51
WD6FDD	Rich	6	4.1	1.46
N0IBT	Dave	8	6	1.33
N8ET	Bill	22	20	1.1
KT3A	Cameron	5	5	1
AC5GY	Dave	10	11.5	.87
KG5LO	Harry	7	8.7	.8
K8IDN	Steve	15	18.75	.8
KC7NEV	Joe	10	14.7	.68
KR4IT	Randy	9	13.7	.66
KD6KA	Bob	9	14.8	.61
KL7CVP	AL	4	12	.33
WJ4P	Randy	11	39	.28
KK6MC/5	Jim	14	65	.22
N6WG	Bob	14	80	.18

Results sorted by QSOs only

Call	Name	QSOs	Wt.	Qs/Lb
AA7QU	Russ	25	2.2	11.36
W3TS	Mike	23	1.2	19.17
N8ET	Bill	22	20	1.1
K3QIO	Jim	20	13	1.54
KI6SN	Richard	15	1.8	8.33
K8IDN	Steve	15	18.75	.8
N6WG	Bob	14	80	.18
KK6MC/5	Jim	14	65	.22
KI6DS	Doug	12	1.2	10
WJ4P	Randy	11	39	.28
WB5QMP	Randy	11	7.3	1.51
AC5GY	Dave	10	11.5	.87
KC7NEV	Joe	10	14.7	.68

NA5K	Smitty	9	4.4	2.05
KR4IT	Randy	9	13.7	.66
KD6KA	Bob	9	14.8	.61
N2MNN	Steven	9	4.3	2.09
N0IBT	Dave	8	6	1.33
KD7S	Bill	7	1.9	3.68
WA7FCU	Bob	7	2.1	3.33
KG5LO	Harry	7	8.7	.8
KD0SU	Rick	7	2.5	2.8
WD6FDD	Rich	6	4.1	1.46
KQ6AG	Dennis	6	2.23	2.69
KT3A	Cameron	5	5	1
KL7CVP	AL	4	12	.33
KI0G	Bob	3	.7	4.29

ADVANCE NOTICE:

Some of you can't play in the Spartan Sprints on Mondays--our standard contest day. So in August we're going to operate the Sprint on a non-standard day: Wednesday, August 14. We'll send out a couple of reminders, but in the meantime, put this date in your calendar. See you then!

Russ Carpenter, AA7QU, ARS Contest Manager and general purpose gofer
(Russ 1031@aol.com)

From owner-qrp-1@Lehigh.EDU Thu Jul 4 23:13:51 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [447] RI and Thanks
Message-ID: <199607041203.MAA01676@chuck.dallas.sgi.com>

Gang,

On July 4th, 1996, around 0157UTC the 30M band barely opened between TX and RI. My many thanks to Jim Hydzyk, K3QIO, a member of this group and a great CW operator. He held in there with my RST 319-439 0.95W signal and he was a solid 449 to 559 with his 5W. So the card is in the mail. Only four more to go. It ain't easy but it sure is fun trying.

W03B at 0.40W is realing kicking my signal around the band with his high numbers. So are a lot of other guys but it's a fun game to play and everyone wins.

Thanks to all the emails on the support for the zero-tolerance phase. I like to think of it as getting 1,200 people watching them. :-)

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
K5FO TMPS 1996 Qs=045 States=23 Confirmed=11 DX=02 (0.95W)
AL AZ CA CO DC FL IL IN MD MI MO NC
OH OK OR RI SD TN TX UT WA WI WY

From owner-qrp-1@Lehigh.EDU Thu Jul 4 23:13:51 1996
From: atforest@adrift.harbornet.com (A&TFOREST CO)
Subject: [444] SGC 230 Tuner for sale
Message-ID: <199607040605.GAA22157@adrift.harbornet.com>

Hey Guys,

I need to sell my SGC 230 Smart Tuner so I can buy a QRP rig. It has under 2 hrs. of use. I paid 550\$ Yours for 375\$0B0 I'm also selling my Icom PS-60. Has less use than the tuner.

Thanks Seth van Ommen atforest@adrift.harbornet.com

From owner-qrp-1@Lehigh.EDU Thu Jul 4 23:13:51 1996
From: Russ1031@aol.com
Subject: [452] Soapbox for the July 1 Spartan Sprint (Long)
Message-ID: <960704110018_569921185@emout13.mail.aol.com>

Here is the Soapbox for the July 1 Spartan Sprint. We've posted the scores separately, under the heading "Results for the July 1 Spartan Sprint". Thanks to all of you who provided the following commentary.

Subject: Soapbox for the July 1 Spartan Sprint (Long)
Sent: 7/2/96 10:47 AM

Hi Russ,

Heres my results... I used my Paragon (at 3 watts) and Gap vertical. Basically my home station... but, I had a ball!!!

Maybe next time I'll "cobble together" my OHR400 and a wire and try it that way....

Stations worked....11
Pounds.....50+!!!
Fun.....extreme!!

72, Randy WJ4P

What a ball I had tonight with the Spartan Sprint. I remember what Wayne Burdick said after the last sprint and kept my station weight down to the bare minimum. Here are the details:

I used my version of the NorCal 40-9er (the one that won the building contest in Dayton this year.) It was powered by some AA batteries (750 mW output) and I used an antique U.S. Navy hand key instead of a keyer and heavy paddles. My headphones are super light weight units. I didn't use a tuner as my Butternut HF6V-X vertical is tuned to 7.040 MHz.

Device	Weight
40-9er	10.5 oz
Key	9.0 oz
Batteries	7.5 oz
Phones	3.5 oz
=====	
Total	30.5 oz

Total contacts were seven (7) on 40 meters only.....and thanks for the nice report from AA7QU.

What a good time I had. Maybe in August I can head for a local park and operate portable with the same set-up. Hey, are we nuts or what?

Bill Jones - KD7S
kd7s@psnw.com

Hi, Russ.
That was fun. Not a great score, but not bad. Heard you in there, but no luck.

Contacts 14, highest reported power 5w, lowest was 750 mw (KD7S). Worked WA,

ID, OR, CA, AZ. About what one would expect. Almost got CO, but
couldn't copy
his report in return.

Weight of Kenwood TS180 looks about 30 lbs, spkr and keyer about 3 lbs,
and 47
lbs for my field day battery, hi. I get a total weight of 80 lbs overall.

Let's, see, that's about $80/14 =$ about 5.7 lbs per qso!

I'll try my QRP+ next time.

Hope to work you next time, Russ.
72/73 Bob N6WG

Opted to leave the antenna tuner and wattmeter out of the equation this
time and am pleased with the result. Got my weight down to 1.8 pounds
(NorCal-40A, KC-1, Walkman headphones, 8AA batteries and miniature
paddle). Managed 15 QSOs. Very happy to hear some new calls this Sprint,
as well as some veterans from the inaugural Sprint. Changing from the
heavy gel cell to the AAs sure put a dent in the scale reading. Stations
worked: KD7S, N6WG, K9JWV/6, K06KA, KC7NEV, KD6ZMJ, KQ6AG, K6BPB, N6MM,
WD6FDD, KI6DS, N7FEG, AA7QU, K6LFR, WB5QMP. Band conditions were not the
best, but lots of calls heard around 7.040, including stations in the
midwest. Looking forward to the August Sprint.

Vy 72,

Richard Fisher, KI6SN
ARS No. 3

Hi Russ:

Great contest, and you were my first contact! Boiling in from OR, no
less.

My score, first time around:

7 QSOs, total weight 2.0761 Lbs or 3.372 Q/Wt

Since I was weighing everything on my Triple Beam Gram scale, I thought I
would
give you a few accurate updates for the master table.

Grams	Lbs	Description
50.7	.1118	Whiterook paddles w/cable
47	.1036	Sony foam MDR-022 headset
18	.0397	Sony Yellow MDR W-15 (about like earbuds)
44.5	.0981	RShack 6' RCA to 1/8" stereo cable (room for improvement here)
44.5	.0981	Alkaline 9 V Batt
91	.2006	CodeBoy keyer w/case & batt, no cable
107	.2359	Atomic Keyer in RS plastic case, 2 AA batts, no cable
84	.1852	Mouse paddles w/cable
48	.1058	Kent capacitive paddles/keyer w/o batt, case or cable
251	.5534	Kitano paddles w/cable
18	.0397	Micro s/w straight key w/cable
682	1.5035	Sierra w/module, w/o keyer
396	.8730	Green Mountain xceiver in TP42 case w/o keyer
769	1.6953	Cascade w/RS mike
411	.9061	NorCal 40A w/KC-1
745.5	1.6435	St. Louis Tuner

Hows That? Guaranteed +/-1 one Gram....

Thanks for everything Russ, this is going to be fun. I tested my 40A weekend before last with a two day backpack into the Unita Mtn range. Used a Vee made with teflon elements and 174 feeder. I gotta try a random wire w/counterpoise, but need to build a small tuner. Have the design and parts...

Also found that Yost, a.k.a. Batteryman, now has Sanyo NiCad AA's with a 1000mA rating for \$3 w or w/o solder tabs. I ordered 10. I'll let you know the packaged weight w/cable when I put it together.

I car camped this weekend, 10,000 feet at Cedar Breaks Monument, UT, and worked a FG5 on SSB with my QRP+....Not exactly a backpack rig, but it sure works well on SSB.

73, Bob

 Bob Follett WA7FCU, QRP-L # 129, NorCal, ARCI, 10-10
 2861 Estates Dr. VOICE: 801.649.6457
 Park City, UT 84060 Home Office E-mail: bfollett.ditell.com

Russ, nice to work you in the sprint. This is my first try at e-mail and the sprint.

I worked only 40M and I made 23 QSO's, I missed about 1\2 hour due to a sked at 9:30PM. But after the sked I got back into the sprint.

My rig was a 40-40 in a small, cut down Bud box, only slightly larger than a cassette case. It weighs 8.5 oz. Running 1 watt output.

My keyer/paddle is homebrew and is only a little bigger than it selfcontained 9V batt. It has built in touch contacts. It weighs 6.5 oz.

I used R.S. folding phones. They weigh 0.75oz.

My battery pack was 10 N200AAA nicads. They seemed to be just enough power for the 2 hour sprint. They weigh 3.5 oz.

No ant tuner was used as I us a dipole at 60 feet. I was at home for this sprint. But maybe for the next one I will get out somewhere.

Total station for last night was 1 lb 3.5 oz. And I checked this on my digital scale. I use the scale and batts for my small electric powered r/c airplanes, another weight sensitive hobby of mine.

I have a small field ant system. It consists of a small jumper dipole for 40 and 20 M on a small plastic kit string winder. weigh 3.25 oz. And RG-174 coax, 30 feet, on another winder. weight 3.75oz. And some string on a small card with a small sinker, 4 25foot lenghts. weight 1.5 oz. Total weight 8.5 oz for a 40/20M ant, and with the addition of a 66 foot counter poise the dipole plus feed line can be strapped as an 80M inv-L, all without any tuner or SWR meter to add weight.

So my total looks like 23 QSO,s at 1 lb 3.5 oz.

Hope to be around for the next one, I loose a little sleep, I get up at 5 AM so usually go to be at 10PM on weekdays but this was worth loosing a little sleep over...

72 es 73 es GL,
Mike Michael W3TS

Soapbox: I loved this contest. Quick, lots of participation, and Dave Benson's rig worked great. I worked fellow Zuni's Rob Roberts, N7FEG,

Keith

Clark, W6SIY, and Richard Fisher, KI6SN. It is neat to work a contest like this that is relaxed yet quick. Heard Bill Jones, KD7S but could not raise him. Homebrew paddles made from telephone switch relay, really simple, light and work great. Bruce Florip, AA7AR gets credit for the idea. 72, Doug, KI6DS

Dennis Mangrobang, KQ6AG, ARS #54

Summary: 6 QSOs, 2.23 Pounds

Equipment description:

Wilderness Sierra, with 1 band module (40M) - 1.49 Lb.

12V 850 Mah NiCad (from my HT), .62 Lb.

Power cable, .03 Lb.

Ear bud stereo phones - .04 Lb.

Homebrew straight key - .05 Lb.

Used Hamstick vertical antenna mounted on patio awning, with radials. (No tuner used).

Soapbox: Same setup as in June, except a lighter battery. QRN was bad at my QTH, but heard many more stations this time, especially in last hour when condx picked up. However, worked fewer stations. Heard many stations being worked by others, but did not get them with my CQ, and did not find them calling CQ. N6WG, Bob, was really loud at my QTH. Another nice contest, and hope to have a better antenna for next time.

Soapbox: Got a late start since I was fiddling with my antenna. Still haven't assembled my backpacking station, so I was using my base station again (QRP+, PowerStation battery, MFJ Tuner). I'll hit that One Pound per QSO yet! Biggest surprise was working WA7FCU - his 2 watts from Utah were a booming 599 here in AZ, and he gave my 3 watts the same. Have to find out what antenna he was using! Anyway lots of fun, lots of familiar calls.

Cheers de KC7NEV

From owner-qrp-1@Lehigh.EDU Thu Jul 4 23:13:51 1996
From: Paul Stroud <aa4xx@nando.net>
Subject: [443] Ukranian QRP'ers
Message-ID: <31DB5DDD.A1@nando.net>

Hi Gang,

This past FD, the KnightLites had the good fortune to have Andy Andrukhiv - UT5GM, operating with us. Andy has become a QRP convert as a result of the many contacts that were made throughout the weekend.

Andy is now interested in forming a QRP group in the vicinity of Lviv, Western Ukraine. To get the ball rolling, the KnightLites have presented Andy with a brand new NorCal 40B and some recent issues of QRP publications. He will be sending the 40B to his club station near Lviv.

One major handicap that Andy is facing has to do with the Cyrillic alphabet. Ukrainian hams essentially have to "relearn" the code, using the Latin alphabet, when they operate outside their native country. If any of you have recommended code tapes that we could borrow for a few weeks, it would be much appreciated.

Lviv supports an active ham population which welcomes any ham/Internet related information it can obtain. Issues of QST and Ham Radio are much prized there. Please contact me if you might be interested in helping us share some of our resources with fellow hams in Ukraine.

72,
Paul Stroud AA4XX@amsat.org

From owner-qrp-1@Lehigh.EDU Thu Jul 4 23:13:51 1996
From: Rogerio Gonzaga <gonzaga@med.up.pt>
Subject: [446] Re: G5RV dipole
Message-ID: <199607040823.KAA30858@hipocrates.med.up.pt>

Hi, Laurent,

About your message,=20

>Hi Roger,
>I am very interested in the following portion of the message in your
>response to=20
>the query regarding the G5RV antenna.
>How did you go about getting a license to operate in Portugal? I spend=

some
>time
>over there, also in Greece and have been coming up empty where the
licensing has
>been concerned.
>Any help will be appreciated.
>tks, 73, bow and scrape,
>Laurent

Thanks for your interest in operating in my country. I got my Class A license by the usual examination, but you can operate in Portugal if you own a CEPT license (as /P or /M) or if you ask for a temporary reciprocal license (and almost every country can get a reciprocal license from my country). If you intend to become resident in Portugal, you can ask in your country an HAREC certificate (if your country has such an agreement), stating that you have performed an examination similar to ours, and that will entitle you to get an ordinary CT1 license. As far as I know, European countries have generally CEPT and HAREC agreements, but American stations should rely on temporary reciprocal licenses (I am not quite sure).=
=20

Unfortunately, it can take some time to get an answer from our licensing entity, the ICP (Instituto das Comunica=E7=F5es de Portugal).=
I do
not believe that they are so fast to send the reciprocal license as the FCC has been with myself (I could get my reciprocal license to work in the US in about 3 weeks!!). I would suggest you to write them with some 3 months antecedence.

ICP address is

ICP (Instituto das Comunica=E7=F5es de Portugal)
Av. Jos=E9 Malhoa, 12
1070 Lisboa
Portugal

Telephone is (International) - 351-1-7211000

By the way, the portuguese amateur rules preview that a foreign amateur may, exceptionally, operate without a temporary or reciprocal license from a portuguese amateur station of the same or lesser category, in the presence of the respective owner and under his responsibility, if the privileges of his license match the privileges of the portuguese sponsor station. As "exceptionally" may have a vast latitude, I am sure that you will have no problems in working from a Portuguese station of your (or lesser) category, as far as you can have one available and you announce his call before yours, separated by /. =20

I hope this information is usefull,=20

72/73 de Roger, CT1ETT

From owner-qrp-l@Lehigh.EDU Thu Jul 4 23:13:51 1996
From: dadams@stem.com
Subject: [449] Re: KC2 Keyer
Message-ID: <9606048364.AA836486436@internet.stem.com>

Is the KC2 making it's pre-debut at the july or august meeting?

Dave

From owner-qrp-l@Lehigh.EDU Thu Jul 4 23:13:51 1996
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
Subject: [453] Re: KC2 Keyer
Message-ID: <Pine.GS0.3.93.960704110415.29115A-100000@destrier.acsu.buffalo.edu>

will the kc2 be available as a norcal project?
How can I be a part of that?

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
jskalski@acsu.Buffalo.EDU

On Thu, 4 Jul 1996 dadams@stem.com wrote:

>
>
>
> Is the KC2 making it's pre-debut at the july or august meeting?
>
> Dave

>
>

From owner-qrp-1@Lehigh.EDU Thu Jul 4 23:13:51 1996
From: "Phil, AC6LS" <ac6ls@amsat.org>
Subject: [445] Re: mailbox empty: no QRPp
Message-ID: <31DB7ECE.2B39@amsat.org>

W. Dennis Zeares wrote:

>
> The snail mail to my part of Dallas is very slow...
> still looking for the June QRPp...
> anyone else still waiting?
> 72/73 dennis k3ets

Thats nothing, I live a stones throw away from Doug (KI6DS) and you will probably get yours before mine.. Yes, its true, I still have yet to get mine. It's the same old story every issue and when kits come my way...

72 de Phil AC6LS

From owner-qrp-1@Lehigh.EDU Thu Jul 4 23:13:51 1996
From: Stephen John Farthing <stephen@stevef.demon.co.uk>
Subject: [460] Re: mailbox empty: no QRPp
Message-ID: <PAFVaLA2N\$2xEwd2@stevef.demon.co.uk>

In message <199607040024.TAA31780@IC.mankato.mn.us>, Denton Larson <dlarson@ic.waseca.mn.us> writes

>At 09:44 AM 7/3/96 CDT, you wrote:
>>The snail mail to my part of Dallas is very slow...
>>still looking for the June QRPp...
>>anyone else still waiting?
>>72/73 dennis k3ets
>>
>>
>Yup, I'm waiting as well, maybe we were naughty ? ;-)
>
>Hope it comes soon,
>
>Everybody have a GREAT 4th !
>72's Denton

>

Mine arrived here in G Land 2 days ago. Doug Hendricks has twice posted me a copy of the previous issue but neither arrived. So I have all these wonderful tips on the 49er but not the original article. I wonder if one could put it down to lack of sunspots?;-).

--

Stephen John Farthing MBCS G0XAR
Melksham, Wiltshire UK
RSGB G-QRP 7766

From owner-qrp-1@Lehigh.EDU Thu Jul 4 23:13:51 1996
From: Serafino Conflitti <sconflit@arcos.org>
Subject: [466] Re: operating in Canada..
Message-ID: <31DC4007.40F5@arcos.org>

WJ4PRandy@aol.com wrote:

> Dumb question time....
> I've always *assumed* that the U.S.
> and Canada have reciprocal operating
> priviledges.
>
> Never really gave it much thought until
> recently since I'm going to be in Alberta
> in a couple of weeks. Anyone have any
> guidance? I assume I'll need a copy of
> my license. I'll be dragging the ohr400
> to operate portable from the mountain
> near Jasper, ALB.
> Hmmm?
> 73, Randy WJ4P

Hello Randy,

Yes there are reciprocal operating previleges and
also third party agreement between the U.S. and Canada.

For your general information you can access Canadian
radio documents on the net at :

<http://www.aras-sara.ca/doi.htm>

Of special interest are documents ric-3.htm which lists
countries with reciprocal operating privieges and third party
agreements, also ric-15.htm which regards station identification.
Ric-25.htm contains parts of our general radio regulations.
In particular, note section 45 on foreign operators in Canada and
section 57 on identifying your station while in Canada.

I hope this is the information you were looking for.

And a happy and safe 4th. to you all.

72, Serafino, VE3LKN

From owner-qrp-1@Lehigh.EDU Thu Jul 4 23:13:51 1996
From: Art Searle <asearle@netusa.net>
Subject: [462] Re: QRO Bigots ???
Message-ID: <31DC4429.1BC2@netusa.net>

Dave.Ackrill@WESTWOOD45.powergen.co.uk wrote:

>
>
> Interesting comment that you can use the suffix /QRP in the States,
> over here it is NOT legal. We can only use /M (mobile) or /P
> (Temporary location) - BTW walking along the street with a hand held
> rig is /M over here!!

It is my understanding that as long as we sign every ten minutes and at the end of our QSO with our correct callsign we can sign in between with /QRP. I'll call a station WU2K WU2K WU2K/QRP, then I won't use QRP during or at the end of the QSO.

>
> I have had a couple of contacts with people who, after I have said I'm
> QRP immediately change my callsign to G0DJA/QRP, which is not what I
> sent. Luckily I have usually managed to complete a QSO exchange (his
> call de mycall) and get one back before the other station uses an
> "illegal" call to identify me. However, I now have QSL cards sent to
> G0DJA/QRP which, as I understand it, shouldn't be acceptable for DXCC
> - Not that I'm in any danger of getting anywhere near 100 confirmed,
> not even WORKED 100 yet ;-)

Does it really matter how others identify you? You have no control over that and I cannot see that the ARRL would not accept cards with /QRP on them. Are you sure of that?

>
> So PLEASE don't alter the call of the station you work, and if a UK
> station is sending /QRP, then strictly speaking you might say that it
> is a Pirate (that will drag them out of the woodwork - Firesuit on).
>
> What is acceptable, in my opinion, is "de G0DJA <space> QRP". I have
> also sent "CQ QRP de G0DJA", but that invites the immediate /QRP
> suffix, which invalidates the QSO in my opinion.
>

> Please note the liberal use of 'in my opinion' as that is all these
> thoughts are.....
>
> Cheers de Dave (G0DJA <space> QRP)

73, de Art WU2K/QRP WU2K

WU2K TMPS 1996 Qs=049 States=0 Confirmed=0 DX=041
3B8,5N,6W,6Y,8P,9H,9L,CM,CY0,DL
EA8,EI,ER,ES,EU,F,G,GM,HA,HB0
HC,HI,HK0S,I,KP4,LA,LU,LZ,OK,OM
ON,OZ,SP,UR,VE,XE,YO,YU,Z3,ZF
ZL

--

72,73, de Art Searle, WU2K, Long Is., NY, ARRL Life Member
QRP-L #524, QRP ARCI #9123, NorCal pending, DXCC MX & CW HR
NRA Benefactor Life Member, NMLRA Life Member, AMA Life Member
NRA Certified Firearms Instructor, Dale Earnhardt Fan Club

From owner-qrp-l@Lehigh.EDU Thu Jul 4 23:13:51 1996
From: kd7s@psnw.com (Bill Jones)
Subject: [455] Re: Results for the July 1 Spartan Sprint
Message-ID: <199607041626.JAA29564@valleynet.com>

Thanks to Russ, AA7QU, for doing such a fine job on behalf of all ARS
members. Posting the results of last Monday's sprint on QRP-L should
activate a few more people to join the fun. We have some top-notch
operators in the membership. And, hey, who is this W3TS guy with 19.17
Qs/lb. Congratulations, Mike, for showing us how it's done but I'll bet
you're going to have some guys pushing you pretty hard in August. Let's see
now, if I remove the case and knobs from my 40-9er, take the foam cushions
off the phones and strip the paint from the straight key I might gain
another ounce or so.....

=====
Bill Jones - KD7S <><
Sanger, California
Reply to kd7s@psnw.com
=====